BRUATH BANGALORE MAHANAGARA PALIKE

Horticulture Division, Rajarajeswarinagar Zone.

Name of the Work: Maintanance of Toilets at JP Park in Ward No.17 in Rajarajeswarinagar Zone.

Work Code: **Est.Cost. Rs.20.00 Lakhs**

Sl.No.	Description of Item	Unit	Qnty	Rate	Amount
1	KSRB 2-1.1 : Excavation in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings,culverts road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed as per specifications. (page No - 5, item No - 2.1) Basic Rate=100.00+6%=106.00 1x3.90x11x0.45x=**19.31**	Cmt	19.31	106.00	2047.00
2	KSRB 2-2.2 :Earthwork excavation for foundation of buildings, water supply sanitary lines and electrical conduits either in pits or in trenches 1.5m. In and above in width, in ordinery soil not exceeding 1.5m in depth including dressing in bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specifications. (page No - 5 item No - 2.4) Basic Rate=180.00+6%=190.80 For column Footing: 8x1.50x1.50x1.80=32.40 **32.40**	Cmt	32.40	190.80	6182.00
	For Foundation:(Shorter Side) 2x11.37x0.90x1.00=20.47 (Longer Side): 3x3.33x0.90x1.00=8.99 Steps x8.05x0.45x0.45=1.63 **31.09**	Cmt	31.09	190.80	5932.00
3	Lead Charges for conveying Debries with loading and unloding charges upto 10kms surface transportation PWD(BC) SR 2010-11Item No.17.4 Page No.123		63.49	120.20	7631.00
4	4 KSRB 2.8 :Providing and Filiing in foundation with granite / trap broken metal 100mm . and down size, with approved sand including hard packing, rammin g,watering, including cost of all materials and labours with all lead and lift. Complete as per specification. (page No - 6. item No - 2.15) BR=956+6%=1013.36 For Coloumn Footing: 8x1.50x1.50x0.15=2.70	Cmt	2.70	1013.36	2736.00
	For Foundation: Shorter Side: 2x11.37x0.90x0.15=3.07 Longer Side: 3x.3.33x0.90x0.15=1.35 **4.42**	Cmt	4.42	1013.36	4479.00
5	KSRB 2.11: Providing cement bed with 10% cement with all leads for all materials and lift of 1.5m. Machine mixed, laid in layers of 15cms. thick and well compacted for foundation for foundation, including curing cost of materials , labours and HOM complete as per. (page No - 6, item No - 2.18) BR=2111+6%=2237.66 For Coloumn Footing: 8x1.50x1.50x0.15=2.70	Cmt	2.70	2237.66	6042.00
	For Foundation: Shorter Side: 2x11.37x0.90x0.15=3.07 Longer Side: 3x.3.33x0.90x0.15=1.35 **4.42**	Cmt	4.42	2237.66	9890.00

6	KSRB 4-1.3: Providing and Laying in position plain cement concrete of mix **1:4:8** using **40**mm and down size graded granite metal machine mixed concrete laid in layers not exceeding 15 cms. Thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. (Page No : 12, Item No : 4.3) BR=3101+6%=3287.06 **For Footing Bed:** 8x1.50x1.50x0.15=**2.70** For Foundation: Shorter Side: 2x11.37x0.90x0.15=3.07 Longer Side: 3x.3.33x0.90x0.15=1.35 Steps 1x8.05x0.45x0.15=0.54 **4.96** For Floor Bed: 1x3.54x10.24x0.15=**10.87**	Cmt Cmt Cmt	2.70 4.96 10.87	3287.06 3287.06 3287.06	8875.00 16304.00 35730.00
7	KSRB 4.2.8 : Providing and laying in position reinforced cement concrete to MIX 1:1.5 :3(M20) with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works including cost of all materials, labour, HOM of machinery, curing, complete as per specification etc., including all lead and lift charges etc. complete as directed by engineer in charge. For Footings (Page No.: 13 Item No.4.17) BR=4539+6%=4811.34 F 8x1.30x1.30x0.45=**6.08**	Cmt	6.08	4811.34	29253.00
8	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc, and removal of formwork for foundations,footings,bases of columns for mass concrete etc., including cost of all materials,labour complete as per specifications as per direction of Engineer in charge. (Page NO. 14, Item No : 4.28) BR=148+6%=156.88 For Footing Bottom Slab: 8x2x2.6x0.45=**18.72**	Smt	18.72	156.88	2937.00
9	KSRB 4.2.8 : Providing and laying in position reinforced cement concrete to MIX 1:1.5 :3(M20) with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works including cost of all materials, labour, HOM of machinery, curing, complete as per specification etc., including all lead and lift charges etc. complete as directed by engineer in charge. For Footings (Page No.: 13 Item No.4.17) BR=4539+6%=4811.34 Coloumn 8x0.23x0.23x2.70=**1.14**	Cmt	1.14	4811.34	5485.00
10	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc, and removal of formwork for columns etc., including cost of all materi`ls, labour complete as per specifications including all lead and lift charges etc., complete as per directions s directed by Engineer in charges. (Page No. 15 Item No. 4.32) BR=230+6%=243.80 Coloumn 8x2x0.46x2.70=**19.87**	Smt	19.87	243.80	4844.00
11	KSRB 5.1-3 :Providing and constructing granite/ trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specification and as directed by Engineer in charge. (Page No. 21 Item No. 5.3) BR=1904+6%=2018.24 **Shorter Side**				

	1st Coarse 3x3.33x0.75x0.40=3.00 2nd Coarse 3x3.33x0.6x0.45=2.70 1st Coarse 2x11.37x0.75x.0.40=6.82 **Longer Side** 2nd Coarse 2x11.37x0.60x0.45=6.14 **Deduction** Column 8x0.23x0.23x0.85=0.36 **18.30**	Cmt	18.30	2018.24	36934.00
12	KSRB 5.3-3 :Providing and constructing granite/ trap / basalt size stone masonry in Basement with cement mortar 1:6, stones Chistle dressed in courses not less than 15 cms high, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specification,(Page. No. 21, Item No. 5.9) BR=2792.00+6%=2959.52 Shorter Side 1St Course 3x3.33x0.45x0.25=1.12 Longer Side 1St Course 2x11.37x0.45x0.25=2.56 **3.68** **Deduction** 8x0.23x0.23x0.25=0.11 **3.57**	Cmt	3.57	2959.52	10565.00
13	KSRB 4.2.8 : Providing and laying in position reinforced cement concrete to MIX 1:1.5 :3(M20) with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works including cost of all materials, labour, HOM of machinery, curing, complete as per specification etc., including all lead and lift charges etc. complete as directed by engineer in charge. For Footings (Page No.: 13 Item No.4.17) BR=4539.00+6%=4811.34 Shorter Side - 3x3.54x0.23x0.45=1.10 Longer Side- 2x10.70x0.23x0.45=2.21 **3.31**	Cmt	3.31	4811.34	15926.00
14	KSRB 4-6.7 :Providing and removing centering,shuttering, strutting, propping etc, and removal of form work for Beams , beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. (Page No : 15, Item No - 4.34) BR=160.00+6%=169.60 Shorter Side - 2x3x3.54x0.45=9.56 Longer Side- 2x2x10.7x0.45=19.26 **28.82**	Smt	28.82	169.60	4888.00
15	KSRB 2.5 : Earthwork excavation (in deposited) and filling sides of foundation upto plinth in layers not exceeding 20cms. In depth copacting each deposited layer by ramming after watering with lead . And lift including cost of all labour complete as per specifications. (Page No : 6, item No : 2.12 BR=162.00+6%=171.72 Inside Area- 1x10.24x3.40x0.30=10.44 Filling to footings : Earth waork Qty- 124.45 Less PCC 1:4:8 6.16 Less Footing Qty 3.60 Less Size Stone 18.49 **96.20**	Cmt	106.64	171.72	18312.00
16	KSRB 4.9.2 : Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design, (laps and wastages shall not be measured and paid) csot of materials, etc. complete as per specifications (Page No. 16 Item No. 4.46) BR=4819.00+6%=5108.14 6.08+1.14+3.31x125xkg/cmt=**13.16**	Qtl	13.16	5108.14	67223.00

17	KSRB 6-2.3 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 50 (table moulded) with cement mortar 1:6 for basement and superstructure including cost of materails, labour charges, scaffolding, curing complete as per specifications. (Page No 26, item No 6.6) BR=3826.00+6%=4055.56 Shorter Side - 3x3.54x0.23x2.80=6.84 Longer Side- 2x10.70x0.23x2.80=13.78 Steps 6x3.3x0.30x.45=2.67 **23.29** Deduction Entrance 1x3.65x0.23x2.10=1.76 Column 8x0.23x0.23x2.20=0.93 Beam LW 2x10.7x0.23x0.23=1.13 SW 3x3.54x0.23x0.23=0.56 **5.31** **17.98**	Cmt	17.98	4055.56	72919.00
18	KSRB 6-7.4 : Construction of partition wall 11.2 cms thick with non-modular table moulded burnt bricks of class designation 50 with cement mortar 1:4 including cost of materails, labour charges, scaffolding, curing complete as per specifications. (Page No 28, item No 6.24) BR=548.00+6%=580.88 Gents Toilet 2x2.2x2.10=9.24 Ladies Toilet Fr Wall 1x2.4x2.10=5.04 Bathroom 4x2.05x2.10=17.22 **31.5** Deduction 1x0.75x2.10=1.58 5x0.75x2.10=7.88 **9.46** **22.04**	Smt	22.04	580.88	12803.00
19	KSRB 15-3.6 : Providing 15mm thick cement plaster in single coat with cement mortar 1:6 to brick masonry including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing etc., complete as per specification. P. No. 97, Item No. 15.14 BR=102.80+6%=108.12 Gents Toilet Main Wall 1x16.6x2.20=36.52 Beam 1x13.30x0.23=3.06 Bathroom Ins Plst 1x2.20x2.20=4.84 1x4.40x2.2=9.68 O/Side Plst 1x3.5x2.2=7.70 infront Wall 2x2.5x2.10=10.5 Ladies Toilet 1x16.6x2.2=36.52 Bathroom Ins Plst 1x2.05x2.10=4.31 4x4.10x2.10=34.44 O/Side Plst 1x5x2.10=10.50 Beam 1x13.30x0.23=3.06 Inft Wall 2x2.50x2.10=10.50 2x10.70x0.60=12.84 2x3.54x0.60x4.25 **188.72** **Deduction** Gents Toilet D 4x0.75x2.10=6.3 C Gate 1x3.65x2.10=7.67 Ladies Toilet D 10x0.75x2.10=15.75 **29.72** **159.00**	Smt	159.00	108.12	17191.00

20	KSRB 15-3.10 : Providing 20 mm thick cement plaster in single coat with cement mortar 1:6 to brick masonryincluding rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing etc., complete as per specifications for Out site plastering.P No. 98 Item No. 15.18 BR=162.00+6%=171.72 2x10.70x3.03=64.84 2x4x3.03=24.24 **89.08** Deduction 1x3.65x2.10=**7.67** **96.75**	Smt	96.75	171.72	16614.00
21	KSRB 15-16 : Water proof cement paint KSRB 15-16.1 : Providing and finshing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered materail, free from mortar drops and other oreign matter cost of materails, labour complete as per specifications. Page No : 102, item No : 15.53.2 BR=60.00+6%=63.60 Outside Plastering Qty 96.75	Smt	96.75	63.60	6153.00
22	KSRB 14.14-2 : Providing colour glazed tiles of size 10mm thick flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing using white cement with matching colour pigment, including cost of materials, labour, curing, complete as per specifications. Specifications No. KBS 14.15.2 (Page No : 93, item No : 14.33) BR=708+6%=750.48 **Gents Toilet** Main Wall 1x16.6x3.03=50.30 Bathroom Ins Plst 1x2.20x2.20=4.84 1x4.40x2.2=9.68 O/Side Plst 1x3.5x2.2=7.70 infront Wall 2x2.5x2.10=10.5 Ladies Toilet 1x16.6x3.03=50.30 Bathroom Ins Plst 1x2.05x2.10=4.31 4x4.10x2.10=34.44 O/Side Plst 1x5x2.10=10.50 Inft Wall 2x2.50x2.10=10.50 2x10.70x3.03=64.64 2x3.54x3.03x4.25 Steps 2x3.65x.35=2.55 2x3.3x0.35=2.31 2x3.35x0.65=4.35 **271.17** Deduction Gents Toilet 1x2.4x1.10=2.64 Bath FR Wall 1x2.4x0.2=0.48 Ladies Toilet Bathroom 1x5x1.30=6.50 Bath Fr wall 1x2.4x0.2=0.48 E gate 2x3.65x2.10=15.33 Gents toilet D 2x2x0.75x2.10=6.30 Ladies Toilet D 5x2x0.75x2.10=15.75 **47.48** **223.69**	Smt	223.69	750.48	167875.00
23	Providing and laying Hassan green granite using prepolished, water cut / gangsaw 19mm thick granite laid over existing floor laid in CM 1:4 at 20mm thick (average) and pointed with white / grey pigment etc.,to complete (Page No : 94, Item No : 14.47.3)For Washbasins platform BR=2063.00+6%=2186.78 Gents toilet 1x1.80x0.60=1.08 Ladies toilet 1x3x0.60=1.80 Net Qty=2.88	Smt	2.88	2186.78	6298.00

24	Providing and laying Block granite using prepolished, water cut / gangsaw 19mm thick granite laid over existing floor laid in CM 1:4 at 20mm thick (average) and pointed with white / grey pigment etc., to complete (Page No : 94, Item No : 14.47.2)For Urinal partition BR=1797.00+6%=1904.82 Gents toilet 4x0.70x1.20=3.36	Smt	3.36	1904.82	6400.00
25	PVC DOOR SHUTTER (Nandi or Equivalent) Supply and fixing of door shutters made of rigid PVC extruded hollow section of 20mm x 200mm with the wall thickness of 1.0mm +/0.1mm equally divided into 4nos with tongue and groove locking arragements. The shutter frame is made of 58 x 24 mm with the wall thickness of 1.5mm*/-0.15mm section metricut and joined at 4 corners with 125mmx 225mm plastic bracket. the shutter shall be horizontally feinforced with 2nos of 8mm PVC rod. teak wood battons shall be reinforced inside the door shutter during the fabrication of the door shutter at those points wherever the hardware is fixed on to the door shutter.(Page No: 53, Item No : 9.87) BR=1475.00+6%=1563.50 Ladies toilet 5x0.75x2.00=7.50 Gents Toilet 2x0.75x2.00=3.00 Net Qty=10.50	Smt	10.50	1563.50	16417.00
26	Supply and fixing of door frame made of hollow extruded PVC section (Nandi or Equivalent) having dimension of 40x57mm with the wall thickness of 2mm+/-0.2mm duly reinforced with seasoned wood plank at the hinges side. The door frame too 2corners shall be metric cut /welded.(Page No : 53, Item No :9.88) BR=180.00+6%=190.80 Ladies toilet 5x4.95=24.75 Gents toilet 4x4.95=19.80 44.55	Smt	44.55	190.80	8500.00
27	Providing and fixing in position collapsible steel shutterswith single or double leaf with vertical channel 20mmx10mmx2mmbraced with flat iron diagonals 20mmx5mm size, with top and bottomrails of T iron sections of 40x40x6 mm with 38mm dia steel pulleyscomplete with bolt and nuts, locking arrangements, stoppers, handleson both sides with 7.5cms openings at 10 cms. c to c applying a primingcoat of red lead paint. cost of materials, labour, HOM of machinerycomplete as per specifications.size of gate 2.4mx1.4m(Page No : 30, Item No : 7.1) BR=3081+6%=3265.86 1x3.65x2.10=**7.66**	Smt	7.66	3265.86	25016.00
28	Providing, fabricating, hoisting, strightening ,tieing, bending installing ,placing and securing in position in concrete /masonary MS structural steel sections /pipe (RHS/SHS Sections of TATA make) for coloumns, trusses, tie beams ,staircase,ladders penetrations comprising M.S angles, plates Tees,flats rounds, square and other structural steel section pipe sleeves and pipes of various sizes including cutting welding bending to shape painting with a coat of Zinc chromate Coat primer complete all as per specification one coat to be applied after fabrication and erection over which two coats of enamel paint of approved colour and make to be applied etc., complete DR				
	For Truss 0.85+For Purlin 0.65+ For tank 0.62	Mt	2.12	90000.00	190890.00
29	Providing and laying to required line and slope roofing with Galvolume sheet 5mm. thick fixed with bolts and nuts 8mm. dia C.I plain and bitumen washers, over the existing purlins, rafters and trusses including cost of materials, labour, complete as per specifications With all lead and lift, loading and unloading labour charges etc., complete as per detailed specification and as per directions of the Engineer-in- Charge of the work.				
	1x10.7x5.40=57.78	Sqm	57.78	650.00	37557.00

	Water Supply and Sanitary Works				
30	KSRB 12-1.1 : Providing and laying in position to required level or slope 100mm internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in porportion of 1:1, testing of pipes and joints, incudling cosat of materails, labour charges complete as per specifications. (page No - 60, item No - BR=197.00+6%=208.82 1x10=**10.00**	Sqm	10.00	208.82	2088.00
31	KSRB 12-1.2 : Providing and laying in position to required level or slope 150mm internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in porportion of 1:1, testing of pipes and joints, incudling cosat of materails, labour charges complete as per specifications. (page No - 60, item No - BR=309.00+6%=327.54 1x10.70=**10.70**	Rmt	10.70	327.54	3505.00
32	KSRB 12-1.4 : Providing and laying in position to required level or slope 230mm internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in porportion of 1:1, testing of pipes and joints, incudling cosat of materails, labour charges complete as per specifications. (page No - 60, item No - BR=462.00+6%=489.72 1x10=**10.00**	Rmt	10.00	489.72	4897.00
33	KSRB 12-5.1 : Constructing brick masonary circular type manhole 0.91 m internal dia at bottom 0.91 m deep and 0.56 dia at top with table moulded non-modular bricks of 50 class designation 50 in cement mortar 1:4, inside cement plastered 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete 1:3:6 mix using 40mm and downsize granite metal and making necessary channel in cement concrete 1:2:4 mix with 20mm and down size granite metal finished with a float coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560 internal diametre confirming IS : 12592, total weight cover and frame to be not less than 182 kg, fixed in cement concrete 1:2:4, 20mm and downsize broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM of machineries complete as per specification. (page No - 61, item No - 11.37) BR=8782.00+6%=9308.92 **1**	Nos	1	9308.92	9309.00
34	KSRB 12-8.1 : Constructing brick masonry inspection chamber 455 x 610mm, and 450mm depth (clear inside dimension) for single piep line, using table moulded nonmodular bricks of class designation 50 in cement mortar 1:5, C.I cover with frame (light duty) 455 x 610mm internal dimension, total weight of cover with frame to be less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) RCC top slab with cement concrete 1:2:4 mix 20mm and downsize granite metal, foundation concrete 1:5:10 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3 finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materails, labour charges, curing complete as per specifications (page No -63, item No - 11.50) BR=4787.00+6%=5074.22 **1**	Nos	1	5074.22	5074.00
35	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications.(For 1000 litre capacity) (page No -83. item No - 13.78) BR=6048.00+6%=6410.88 **1**	Nos	1	6581.54	6582.00

36	Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, (approved make) cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. (page No - 67, item No - 12.5) BR=906.00+6%=960.36 5	Nos	5	960.36	4802.00
38	KSRB 11-9.1 : Providing and fixing white vitreous china clay, flat back or half stall urinal basin of size 580x380x350mm with 5 litres P.V.C automatic flushing cistern, C.I / M.S. Brackets, standard flush pipe and C.P brass spreaders with brass unions and G.I clamps C.I. trap with outlet granting and other couplings in C.P brass, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materails, labour charges, curing complete as per specifications (page No - 68, item No - 12.15) BR=3758.00+6%=3983.48 3	Unit	3	3983.48	11950.00
39	KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size630x450mm with a pair of 15mm C.P brass pillar taps, with C.I / M.S. Brackets, 32mm C.P brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materails, labour charges, curing complete as per specifications (page No - 69, item No - 12.23) BR=2569.00+6%=2723.14 6	Unit	6	2723.14	16339.00
40	KSRB 11-15.3 : Providing and fixing 453 x 357mm rectangular shape mirror with plastic moulded frame of approved make and shape with 6mm thick hard board backing, including cost of materails, labour charges, curing complete as per specifications (page No - 71, item No - 12.41) BR=844.00+6%=894.64 2	Unit	2.00	894.64	1789.00
41	KSRB 11-15.5 : Providing and fixing 1500 x 450mm rectangular shape mirror with plastic moulded frame of approved make and shape with 6mm thick hard board backing, including cost of materails, labour charges, curing complete as per specifications (page No - 71, item No - 12.43) BR=1187.00+6%=1258.22 1	Unit	1.00	1258.22	1258.00
42	Providing and fixing 7.5cms t o15 cms dia NP grating 100m dia (page No - 77, item No - 12.111) BR=145.00+6%=153.70 8	Each	8.00	153.70	1230.00
43	Providing 15cms x 10 cms stone ware gully trap of approved quality and make fixing in CC 1:2:4 and plastering with CM 1:3 wherever necessary (Rate includes cost of all materials, fixures and lead) (page No - 77, item No - 12.112) BR=250.00+6%=265.00 2	Each	2.00	265.00	530.00
44	Providing & fixing 12.5cms x 7.5 cms CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materails to work spot). (page No - 77, item No -12.113) BR=270.00+6%=286.20 5	Each	5.00	286.20	1431.00
45	KSRB 13-1.1 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 15mm dia nominal bore with fittings (medium grade weight 1.27 kg/mtr) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications (page No - 79, item No - 13-1.1) BR=125.00+6%=132.50 1x20=20	Rmt	20.00	132.50	2650.00

46	KSRB 13-1.2 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 20mm dia nominal bore with fittings (medium grade weight 1.27 kg/mtr) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications (page No - 79, item No - 13-1.2) BR=154.00+6%=163.24 1x11=11	Rmt	11.00	163.24	1796.00
47	KSRB 13-1.3 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 25mmdia nominal bore with fittings (medium grade weight 1.27kg/mtr) B class including cost of all materials, labour charges,HOM of equipments and testing complete as per specifications (page No - 79, item No - 13-1.3) BR=213.00+6%=225.78 1x25=25	Rmt	25.00	225.78	5645.00
48	KSRB 13-3.3 : Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 25mm dia nominal bore with all fittings (earth work in trenches to be measured and apaid for seprately) including cost of all materials, labour charges, HOM of quipments and testing complete s per specifications (page No - 79, item No - 13-12) BR=188.00+6%=199.28 1x35=35	Rmt	35.00	199.28	6975.00
49	KSRB 13-3.4 : Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 32mm dia nominal bore with all fittings (earth work in trenches to be measured and apaid for seprately) including cost of all materials, labour charges, HOM of equipments and testing completeas per specifications (page No - 79, item No - 13-13) BR=202.00+6%=214.12 1x40=40	Rmt	40.00	214.12	8565.00
50	KSRB 13-3.5 : Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 40mm dia nominal bore with all fittings (earth work in trenches to be measured and apaid for seprately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications (page No - 79, item No - 13-14) BR=269.00+6%=285.14 1x20=20	Rmt	20.00	285.14	5703.00
51	KSRB 13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications (page No -79, item No - 13-23) BR=139.00+6%=147.34 12	Each	12.00	147.34	1768.00
52	KSRB 13-6.1-2 : Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications (page No -79, item No - 13-24) BR=173.00+6%=183.38 17	Each	17.00	183.38	3117.00
53	KSRB 13-6.2-2 : Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications (page No -80, item No - 13-24) BR=128.00+6%=135.68 23	Each	23.00	135.68	3121.00
54	KSRB 13-6.2-2 : Providing and fixing in position brass stop cock of approved quality 25mm nominal bore including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications (page No -80, item No - 13-28) BR=173.00+6%=183.38 6	Each	6.00	183.38	1100.00
				Total Rs	998072.00

5I	Providing Sanitary connection to toilets	Each Toilet Cost 998072 × 2 Nos	Nos	2	1996,144 25000.00
	Coloured sheet roofing with steel tubular structure.			998072	296000.00
56.	Miscellenious			38562	2741.00
	TOTAL				2000000.00
	(Rupees: Twenty Lakhs Only)				

CERTIFICATE:

1] This work comes under B.M.P.Limits

2] This Removing Debris up to 10 km lead and lift

3] The Provisions made in the Estimate are necessary and minimum.

4] The Estimate is based on the C.S.R. of 2010-2011. and Data approved rates.

AE/JE/AE
Rajarajeswarinagar
B.B.M.P.

Aassist. Executive Engineer
Rajarajeswarinagar
B.B.M.P.

ADMINISTRATIVELY APPROVED
Rs: 20.00/- Twenty Lakhs Only.
under P: 0974 accorded
By P.N.O. 4. Sl.NO. 11
Rs 11 subject
to memo
No 11/2010-11 Dt 23/4/2011
R.N.)

TECHNICAL SANCTION
Rs: 20.00/- Twenty Lakhs Only. is accorded
under P: 0974
By CE (R.N.): P.NO. 6. Sl.NO. 21
Registered as CE (R.R.N) No: 21 subject
to conditions contained in enclosed memo
No: 21 Date: 23/4/2011
CE (R.R.N.)